

Antonio Gonzlez-Sarras

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

96 papers	5,557 citations	43 h-index	73 g-index
100 ext. papers	6,620 ext. citations	5.3 avg, IF	5.97 L-index

#	Paper	IF	Citations
96	Urolithins: a comprehensive update on their metabolism, bioactivity, and associated gut microbiota.. <i>Molecular Nutrition and Food Research</i> , 2022 , e2101019	5.9	11
95	Milk-Derived Exosomes as Nanocarriers to Deliver Curcumin and Resveratrol in Breast Tissue and Enhance Their Anticancer Activity.. <i>International Journal of Molecular Sciences</i> , 2022 , 23,	6.3	5
94	New Insights into the Metabolism of the Flavanones Eriocitrin and Hesperidin: A Comparative Human Pharmacokinetic Study. <i>Antioxidants</i> , 2021 , 10,	7.1	9
93	Disposition of Dietary Polyphenols in Breast Cancer PatientsSTumors, and Their Associated Anticancer Activity: The Particular Case of Curcumin. <i>Molecular Nutrition and Food Research</i> , 2021 , 65, e2100163	5.9	14
92	Targeting Mammalian 5-Lipoxygenase by Dietary Phenolics as an Anti-Inflammatory Mechanism: A Systematic Review. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	6
91	Main drivers of (poly)phenol effects on human health: metabolite production and/or gut microbiota-associated metabotypes?. <i>Food and Function</i> , 2021 , 12, 10324-10355	6.1	15
90	Evidence for health properties of pomegranate juices and extracts beyond nutrition: A critical systematic review of human studies. <i>Trends in Food Science and Technology</i> , 2021 , 114, 410-423	15.3	11
89	Metabolism of Dietary (Poly)phenols by the Gut Microbiota 2021 , 149-149		
88	The gut microbiota metabolite urolithin A, but not other relevant urolithins, induces p53-dependent cellular senescence in human colon cancer cells. <i>Food and Chemical Toxicology</i> , 2020 , 139, 111260	4.7	21
87	Where to Look into the Puzzle of Polyphenols and Health? The Postbiotics and Gut Microbiota Associated with Human Metabotypes. <i>Molecular Nutrition and Food Research</i> , 2020 , 64, e1900952	5.9	79
86	Combined effect of interventions with pure or enriched mixtures of (poly)phenols and anti-diabetic medication in type 2 diabetes management: a meta-analysis of randomized controlled human trials. <i>European Journal of Nutrition</i> , 2020 , 59, 1329-1343	5.2	21
85	Inhibition of 5-Lipoxygenase-Derived Leukotrienes and Hemiketals as a Novel Anti-Inflammatory Mechanism of Urolithins. <i>Molecular Nutrition and Food Research</i> , 2020 , 64, e2000129	5.9	6
84	Flavanones 2020 , 439-495		1
83	Nonextractable Polyphenols: A Relevant Group with Health Effects 2020 , 31-83		0
82	Anti-Inflammatory and Antioxidant Effects of Regular Consumption of Cooked Ham Enriched with Dietary Phenolics in Diet-Induced Obese Mice. <i>Antioxidants</i> , 2020 , 9,	7.1	3
81	Dietary Phenolics against Breast Cancer. A Critical Evidence-Based Review and Future Perspectives. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	22
80	Understanding PolyphenolsSHealth Effects Through the Gut Microbiota 2020 , 497-531		1

79	Flavan-3-ols: Catechins and Proanthocyanidins 2020 , 283-317		
78	Structural Diversity of Polyphenols and Distribution in Foods 2020 , 1-29		4
77	Ellagitannins and Their Gut Microbiota-Derived Metabolites: Urolithins 2020 , 319-364		4
76	Factors influencing the cardiometabolic response to (poly)phenols and phytosterols: a review of the COST Action POSITIVE activities. <i>European Journal of Nutrition</i> , 2019 , 58, 37-47	5.2	27
75	Improving the reporting quality of intervention trials addressing the inter-individual variability in response to the consumption of plant bioactives: quality index and recommendations. <i>European Journal of Nutrition</i> , 2019 , 58, 49-64	5.2	7
74	Metabolic Profiling of Dietary Polyphenols and Methylxanthines in Normal and Malignant Mammary Tissues from Breast Cancer Patients. <i>Molecular Nutrition and Food Research</i> , 2019 , 63, e1801239	5.9	43
73	Tissue deconjugation of urolithin A glucuronide to free urolithin A in systemic inflammation. <i>Food and Function</i> , 2019 , 10, 3135-3141	6.1	22
72	Impact of Foods and Dietary Supplements Containing Hydroxycinnamic Acids on Cardiometabolic Biomarkers: A Systematic Review to Explore Inter-Individual Variability. <i>Nutrients</i> , 2019 , 11,	6.7	17
71	Conjugated Physiological Resveratrol Metabolites Induce Senescence in Breast Cancer Cells: Role of p53/p21 and p16/Rb Pathways, and ABC Transporters. <i>Molecular Nutrition and Food Research</i> , 2019 , 63, e1900629	5.9	31
70	Kinetic disposition of dietary polyphenols and methylxanthines in the rat mammary tissue. <i>Journal of Functional Foods</i> , 2019 , 61, 103516	5.1	5
69	The Endotoxemia Marker Lipopolysaccharide-Binding Protein is Reduced in Overweight-Obese Subjects Consuming Pomegranate Extract by Modulating the Gut Microbiota: A Randomized Clinical Trial. <i>Molecular Nutrition and Food Research</i> , 2018 , 62, e1800160	5.9	61
68	The gut microbiota metabolism of pomegranate or walnut ellagitannins yields two urolithin-metabotypes that correlate with cardiometabolic risk biomarkers: Comparison between normoweight, overweight-obesity and metabolic syndrome. <i>Clinical Nutrition</i> , 2018 , 37, 897-905	5.9	73
67	Physiological Relevance of the Antiproliferative and Estrogenic Effects of Dietary Polyphenol Aglycones versus Their Phase-II Metabolites on Breast Cancer Cells: A Call of Caution. <i>Journal of Agricultural and Food Chemistry</i> , 2018 , 66, 8547-8555	5.7	29
66	The gut microbiota urolithin metabotypes revisited: the human metabolism of ellagic acid is mainly determined by aging. <i>Food and Function</i> , 2018 , 9, 4100-4106	6.1	63
65	Meta-Analysis of the Effects of Foods and Derived Products Containing Ellagitannins and Anthocyanins on Cardiometabolic Biomarkers: Analysis of Factors Influencing Variability of the Individual Responses. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	77
64	In Vitro Research on Dietary Polyphenols and Health: A Call of Caution and a Guide on How To Proceed. <i>Journal of Agricultural and Food Chemistry</i> , 2018 , 66, 7857-7858	5.7	34
63	Physiological concentrations of phytosterols enhance the apoptotic effects of 5-fluorouracil in colon cancer cells. <i>Journal of Functional Foods</i> , 2018 , 49, 52-60	5.1	4
62	Breakthroughs in the Health Effects of Plant Food Bioactives: A Perspective on Microbiomics, Nutri(epi)genomics, and Metabolomics. <i>Journal of Agricultural and Food Chemistry</i> , 2018 , 66, 10686-10692	5.7	22

61	A systematic review and meta-analysis of randomized controlled trials exploring the role of inter-individual variability on the effect of flavanols on insulin and HOMA-IR. <i>Proceedings of the Nutrition Society</i> , 2018 , 77,	2.9	2
60	Consumption of pomegranate decreases plasma lipopolysaccharide-binding protein levels, a marker of metabolic endotoxemia, in patients with newly diagnosed colorectal cancer: a randomized controlled clinical trial. <i>Food and Function</i> , 2018 , 9, 2617-2622	6.1	19
59	Antiproliferative activity of the ellagic acid-derived gut microbiota isourolithin A and comparison with its urolithin A isomer: the role of cell metabolism. <i>European Journal of Nutrition</i> , 2017 , 56, 831-841	5.2	44
58	Urolithins, the rescue of "old" metabolites to understand a "new" concept: Metabotypes as a nexus among phenolic metabolism, microbiota dysbiosis, and host health status. <i>Molecular Nutrition and Food Research</i> , 2017 , 61, 1500901	5.9	221
57	Gene expression changes in colon tissues from colorectal cancer patients following the intake of an ellagitannin-containing pomegranate extract: a randomized clinical trial. <i>Journal of Nutritional Biochemistry</i> , 2017 , 42, 126-133	6.3	56
56	The gut microbiota: A key factor in the therapeutic effects of (poly)phenols. <i>Biochemical Pharmacology</i> , 2017 , 139, 82-93	6	319
55	Impact of Flavonols on Cardiometabolic Biomarkers: A Meta-Analysis of Randomized Controlled Human Trials to Explore the Role of Inter-Individual Variability. <i>Nutrients</i> , 2017 , 9,	6.7	93
54	Vasorelaxant activity of twenty-one physiologically relevant (poly)phenolic metabolites on isolated mouse arteries. <i>Food and Function</i> , 2017 , 8, 4331-4335	6.1	17
53	Non-extractable polyphenols produce gut microbiota metabolites that persist in circulation and show anti-inflammatory and free radical-scavenging effects. <i>Trends in Food Science and Technology</i> , 2017 , 69, 281-288	15.3	92
52	Clustering according to urolithin metabotype explains the interindividual variability in the improvement of cardiovascular risk biomarkers in overweight-obese individuals consuming pomegranate: A randomized clinical trial. <i>Molecular Nutrition and Food Research</i> , 2017 , 61, 1600830	5.9	114
51	Neuroprotective Effects of Bioavailable Polyphenol-Derived Metabolites against Oxidative Stress-Induced Cytotoxicity in Human Neuroblastoma SH-SY5Y Cells. <i>Journal of Agricultural and Food Chemistry</i> , 2017 , 65, 752-758	5.7	89
50	A Systematic Review and Meta-Analysis of the Effects of Flavanol-Containing Tea, Cocoa and Apple Products on Body Composition and Blood Lipids: Exploring the Factors Responsible for Variability in Their Efficacy. <i>Nutrients</i> , 2017 , 9, 746	6.7	39
49	Hesperetin and its sulfate and glucuronide metabolites inhibit TNF- α -induced human aortic endothelial cell migration and decrease plasminogen activator inhibitor-1 (PAI-1) levels. <i>Food and Function</i> , 2016 , 7, 118-26	6.1	38
48	Cytotoxic gallium complexes containing thiosemicarbazones derived from 9-anthraldehyde: Molecular docking with biomolecules. <i>Journal of Molecular Structure</i> , 2016 , 1121, 156-166	3.4	16
47	In vivo relevant mixed urolithins and ellagic acid inhibit phenotypic and molecular colon cancer stem cell features: A new potentiality for ellagitannin metabolites against cancer. <i>Food and Chemical Toxicology</i> , 2016 , 92, 8-16	4.7	48
46	A novel copper(II) complex identified as a potent drug against colorectal and breast cancer cells and as a poison inhibitor for human topoisomerase II. <i>Inorganic Chemistry Communication</i> , 2016 , 64, 45-49	3.1	29
45	The human gut microbial ecology associated with overweight and obesity determines ellagic acid metabolism. <i>Food and Function</i> , 2016 , 7, 1769-74	6.1	67
44	Comprehensive characterization of the effects of ellagic acid and urolithins on colorectal cancer and key-associated molecular hallmarks: MicroRNA cell specific induction of CDKN1A (p21) as a common mechanism involved. <i>Molecular Nutrition and Food Research</i> , 2016 , 60, 701-16	5.9	59

43	Interindividual variability in the human metabolism of ellagic acid: Contribution of Gordonibacter to urolithin production. <i>Journal of Functional Foods</i> , 2015 , 17, 785-791	5.1	62
42	Dietary phenolics against colorectal cancer--From promising preclinical results to poor translation into clinical trials: Pitfalls and future needs. <i>Molecular Nutrition and Food Research</i> , 2015 , 59, 1274-91	5.9	65
41	The ellagic acid derivative 4,4'-di-O-methylellagic acid efficiently inhibits colon cancer cell growth through a mechanism involving WNT16. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2015 , 353, 433-44	4.7	31
40	The ellagic acid-derived gut microbiota metabolite, urolithin A, potentiates the anticancer effects of 5-fluorouracil chemotherapy on human colon cancer cells. <i>Food and Function</i> , 2015 , 6, 1460-9	6.1	75
39	Identifying the limits for ellagic acid bioavailability: A crossover pharmacokinetic study in healthy volunteers after consumption of pomegranate extracts. <i>Journal of Functional Foods</i> , 2015 , 19, 225-235	5.1	91
38	MicroRNAs expression in normal and malignant colon tissues as biomarkers of colorectal cancer and in response to pomegranate extracts consumption: Critical issues to discern between modulatory effects and potential artefacts. <i>Molecular Nutrition and Food Research</i> , 2015 , 59, 1973-86	5.9	45
37	Targeted metabolic profiling of pomegranate polyphenols and urolithins in plasma, urine and colon tissues from colorectal cancer patients. <i>Molecular Nutrition and Food Research</i> , 2014 , 58, 1199-211	5.9	149
36	Phase-II metabolism limits the antiproliferative activity of urolithins in human colon cancer cells. <i>European Journal of Nutrition</i> , 2014 , 53, 853-64	5.2	84
35	Ellagic acid metabolism by human gut microbiota: consistent observation of three urolithin phenotypes in intervention trials, independent of food source, age, and health status. <i>Journal of Agricultural and Food Chemistry</i> , 2014 , 62, 6535-8	5.7	218
34	Highly potent anti-proliferative effects of a gallium(III) complex with 7-chloroquinoline thiosemicarbazone as a ligand: synthesis, cytotoxic and antimalarial evaluation. <i>European Journal of Medicinal Chemistry</i> , 2014 , 86, 81-6	6.8	29
33	Nutraceuticals for older people: facts, fictions and gaps in knowledge. <i>Maturitas</i> , 2013 , 75, 313-34	5	37
32	Synthesis and antiproliferative activities of quebecol and its analogs. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013 , 23, 5329-31	2.9	16
31	Maple polyphenols, ginnalins A-C, induce S- and G2/M-cell cycle arrest in colon and breast cancer cells mediated by decreasing cyclins A and D1 levels. <i>Food Chemistry</i> , 2013 , 136, 636-42	8.5	44
30	The gut microbiota ellagic acid-derived metabolite urolithin A and its sulfate conjugate are substrates for the drug efflux transporter breast cancer resistance protein (ABCG2/BCRP). <i>Journal of Agricultural and Food Chemistry</i> , 2013 , 61, 4352-9	5.7	47
29	Novel microwave synthesis of half-sandwich [(η -C ₆ H ₆)Ru] complexes and an evaluation of the biological activity and biochemical reactivity. <i>Applied Organometallic Chemistry</i> , 2013 , 27, 425-434	3.1	10
28	Resveratrol and clinical trials: the crossroad from in vitro studies to human evidence. <i>Current Pharmaceutical Design</i> , 2013 , 19, 6064-93	3.3	321
27	Effects of long-term consumption of low doses of resveratrol on diet-induced mild hypercholesterolemia in pigs: a transcriptomic approach to disease prevention. <i>Journal of Nutritional Biochemistry</i> , 2012 , 23, 829-37	6.3	37
26	Synthesis, characterization, and preliminary studies of vanadium(IV) complexes with a Schiff base and thiosemicarbazones as mixed-ligands. <i>European Journal of Inorganic Chemistry</i> , 2012 , 2012, 664-677	2.3	55

25	Intestinal ellagitannin metabolites ameliorate cytokine-induced inflammation and associated molecular markers in human colon fibroblasts. <i>Journal of Agricultural and Food Chemistry</i> , 2012 , 60, 8866-8876	5.7	75
24	A dietary resveratrol-rich grape extract prevents the developing of atherosclerotic lesions in the aorta of pigs fed an atherogenic diet. <i>Journal of Agricultural and Food Chemistry</i> , 2012 , 60, 5609-20	5.7	20
23	Cytotoxicity and structure activity relationship studies of maplexins A-I, gallotannins from red maple (<i>Acer rubrum</i>). <i>Food and Chemical Toxicology</i> , 2012 , 50, 1369-76	4.7	24
22	Anticancer effects of maple syrup phenolics and extracts on proliferation, apoptosis, and cell cycle arrest of human colon cells. <i>Journal of Functional Foods</i> , 2012 , 4, 185-196	5.1	59
21	New Galloyl Derivative from Winged Sumac (<i>Rhus copallinum</i>) Fruit. <i>Natural Product Communications</i> , 2012 , 7, 1934578X1200700	0.9	3
20	Effects of maple (<i>Acer</i>) plant part extracts on proliferation, apoptosis and cell cycle arrest of human tumorigenic and non-tumorigenic colon cells. <i>Phytotherapy Research</i> , 2012 , 26, 995-1002	6.7	49
19	Ellagitannin metabolites, urolithin A glucuronide and its aglycone urolithin A, ameliorate TNF- α -induced inflammation and associated molecular markers in human aortic endothelial cells. <i>Molecular Nutrition and Food Research</i> , 2012 , 56, 784-96	5.9	120
18	Synthesis and structure of [(η^5 -p-cymene)Ru(2-anthracen-9-ylmethylene-N-ethylhydrazinecarbothioamide)Cl]Cl; biological evaluation, topoisomerase II inhibition and reaction with DNA and human serum albumin. <i>Metallomics</i> , 2011 , 3, 491-502	4.5	31
17	Phenolic glycosides from sugar maple (<i>Acer saccharum</i>) bark. <i>Journal of Natural Products</i> , 2011 , 74, 2472-49	4.9	32
16	Resveratrol oligomers isolated from <i>Carex</i> species inhibit growth of human colon tumorigenic cells mediated by cell cycle arrest. <i>Journal of Agricultural and Food Chemistry</i> , 2011 , 59, 8632-8	5.7	67
15	Cytotoxicity of aporphines in human colon cancer cell lines HCT-116 and Caco-2: an SAR study. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011 , 21, 4462-4	2.9	14
14	Synthesis and characterization of mixed-ligand diimine-piperonal thiosemicarbazone complexes of ruthenium(II): Biophysical investigations and biological evaluation as anticancer and antibacterial agents. <i>Journal of Molecular Structure</i> , 2011 , 992, 39-47	3.4	33
13	Half-sandwich ruthenium(II) arene complexes with thiosemicarbazones: synthesis and biological evaluation of [(η^5 -p-cymene)Ru(piperonal thiosemicarbazones)Cl]Cl complexes. <i>Journal of Inorganic Biochemistry</i> , 2011 , 105, 1019-29	4.2	78
12	Acylphloroglucinol and xanthenes from <i>Hypericum ellipticum</i> . <i>Phytochemistry</i> , 2011 , 72, 662-7	4	10
11	Coordination Chemistry of Polyaromatic Thiosemicarbazones 2: Synthesis and Biological Activity of Zinc, Cobalt, and Copper Complexes of 1-(Naphthalene-2-yl)ethanone Thiosemicarbazone. <i>International Journal of Inorganic Chemistry</i> , 2011 , 2011,		3
10	NF-kappaB-dependent anti-inflammatory activity of urolithins, gut microbiota ellagic acid-derived metabolites, in human colonic fibroblasts. <i>British Journal of Nutrition</i> , 2010 , 104, 503-12	3.6	153
9	Occurrence of urolithins, gut microbiota ellagic acid metabolites and proliferation markers expression response in the human prostate gland upon consumption of walnuts and pomegranate juice. <i>Molecular Nutrition and Food Research</i> , 2010 , 54, 311-22	5.9	145
8	Anti-inflammatory properties of a pomegranate extract and its metabolite urolithin-A in a colitis rat model and the effect of colon inflammation on phenolic metabolism. <i>Journal of Nutritional Biochemistry</i> , 2010 , 21, 717-25	6.3	319

7	Gene expression, cell cycle arrest and MAPK signalling regulation in Caco-2 cells exposed to ellagic acid and its metabolites, urolithins. <i>Molecular Nutrition and Food Research</i> , 2009 , 53, 686-98	5.9	103
6	Availability of polyphenols in fruit beverages subjected to in vitro gastrointestinal digestion and their effects on proliferation, cell-cycle and apoptosis in human colon cancer Caco-2 cells. <i>Food Chemistry</i> , 2009 , 114, 813-820	8.5	102
5	Dissimilar in vitro and in vivo effects of ellagic acid and its microbiota-derived metabolites, urolithins, on the cytochrome P450 1A1. <i>Journal of Agricultural and Food Chemistry</i> , 2009 , 57, 5623-32	5.7	63
4	Effect of a low dose of dietary resveratrol on colon microbiota, inflammation and tissue damage in a DSS-induced colitis rat model. <i>Journal of Agricultural and Food Chemistry</i> , 2009 , 57, 2211-20	5.7	240
3	Eubacterium limosum activates isoxanthohumol from hops (<i>Humulus lupulus</i> L.) into the potent phytoestrogen 8-prenylnaringenin in vitro and in rat intestine. <i>Journal of Nutrition</i> , 2008 , 138, 1310-6	4.1	79
2	Urolithins, ellagic acid-derived metabolites produced by human colonic microflora, exhibit estrogenic and antiestrogenic activities. <i>Journal of Agricultural and Food Chemistry</i> , 2006 , 54, 1611-20	5.7	204
1	Bioavailability, Metabolism, and Bioactivity of Food Ellagic Acid and Related Polyphenols263-277		4